



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re: HIGH-FREQUENCY POWER SUPPLY FOR INCANDESCENT LAMP

Inventor: OLE K. NILSSEN

Serial No: 07/741,575

Filed: 08/07/91

Group Art Unit: 2502

Examiner: PASCAL, R.

Applicant's Phone Number: 708-658-5615

5/a
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4-23-92

AMENDMENT A

I, OLE K. NILSSEN, HEREWITH
CERTIFY THAT THE DATE OF
DEPOSIT WITH THE U.S. POSTAL
SERVICE OF THIS PAPER OR FEE
IS: 4-17-92

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Applicant provides instant Amendment in response to Office
Action dated 03/23/92.

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GROUP 250

IN THE CLAIMS

Claim 1 is amended as follows.

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1. (Amended) An arrangement comprising:

a source providing a[n] relatively low-frequency AC power line voltage at a pair of power line terminals;
an incandescent lamp having a pair of lamp terminals; and
a power supply connected between the power line terminals and the lamp terminals; the power supply being operative to provide a[n] relatively high-frequency AC lamp voltage across the lamp terminals; the AC lamp voltage having: (i) a fundamental frequency at least twenty times higher than that of the AC power line voltage; (ii) numerous complete relatively short half-cycles during each complete relatively long half-cycle of the AC power line voltage, with each of the numerous complete relatively short half-cycles having a peak magnitude; and (iii) the absolute value of the peak magnitude of the numerous complete relatively short half-cycles varying in time such as to be proportional to the absolute value of the instantaneous peak magnitude of the AC power line voltage, at [leadt] least during a substantial portion of each relatively long half-cycle of the AC power line voltage.